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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/757,019	01/09/2001	Allen Le Roy	ALRL12	7572	
40374	7590 11/16/2004		EXAMINER		
	ROY LIMBERG, ESQ.	**************************************	LEE, MICHAEL		
-	NGTON STREET LOTTE, FL 33952		ART UNIT PA		
	,		2614		
			DATE MAILED: 11/16/2004	DATE MAILED: 11/16/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/757,019	ROY, ALLEN LE				
Office Action Summary	Examiner	Art Unit				
	M. Lee	2614				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of the	36(a). In no event, however, may a reply be tin y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from b, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on 09 Ja	anuary 2001.					
2a) This action is <b>FINAL</b> . 2b) ☐ This	action is non-final.					
3) Since this application is in condition for alloward closed in accordance with the practice under E	· · · · ·					
Disposition of Claims						
<ul> <li>4)  Claim(s) 1-19 is/are pending in the application.</li> <li>4a) Of the above claim(s) is/are withdraw</li> <li>5)  Claim(s) is/are allowed.</li> <li>6)  Claim(s) 1-5 is/are rejected.</li> <li>7)  Claim(s) 6-19 is/are objected to.</li> <li>8)  Claim(s) are subject to restriction and/or</li> </ul>	wn from consideration.					
Application Papers						
	9) The specification is objected to by the Examiner.					
	☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the	•	` '				
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority document</li> <li>2. Certified copies of the priority document</li> <li>3. Copies of the certified copies of the priority application from the International Bureau</li> <li>* See the attached detailed Office action for a list</li> </ul>	s have been received. s have been received in Application rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachmont/c)						
Attachment(s)  1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da					

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### **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 3-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Sugiura (4,608,710).

Regarding claim 1, Sugiura shows mixer 236 for tuning an incoming signal in accordance with a local oscillation signal to produce an intermediate frequency signal (col. 5, lines 1-3), which meets the front end circuitry as claimed, and a first amplifier (67,82). It should be noted that the local oscillation signal is generated in accordance with a remote control signal transmitted from a signal transmitter 21, and the Sugiura is intended to receive either digital or analog television signal.

Regarding claim 3, see second conversion section 62 in Sugiura.

Regarding claim 4, see demodulator 89.

Regarding claim 5, high pass filters 68 and 83 prevent amplifiers 67 and 82 from short-circuiting the transmission line for frequencies outside of the intermediate frequency signal.

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## Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sugiura (4,608,710).

Regarding claim 2, Sugiura does not specify the circuitry for demodulating and digitizing the first intermediate frequency signal to generate a baseband digital television signal as claimed. The examiner takes Official Notice that using a circuitry for demodulating and digitizing an intermediate frequency signal is well known in the art. It can be found in all digital television receivers since it is the only known way to demodulate a digital television signal. Hence, in order to demodulate the digital television signal, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include a demodulator and a digitizer into Sugiura to perform the well known functions as claimed.

# Allowable Subject Matter

5. Claims 6-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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#### Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Slavik (3,575,661) shows a remote control tuning circuit.

Watanabe (4,205,269) shows a remote control variable attenuation device for an antenna amplifier.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Lee whose telephone number is 703-305-4743. The examiner can normally be reached on Monday through Thursday from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller, can be reached on 703-305-4795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

M. Lee

Primary Examiner

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